

PROPOSED BICYCLE TRANSIT CENTER AT UNION STATION

The District Department of Transportation (DDOT) is developing a bicycle transit center (also known as a bike station) at Union Station. It will provide bicycle parking, rentals, repairs, and accessories. The bike station will enhance the viability of bicycling and improve connections to other sustainable forms of transportation.

The proposed site, near the Metrorail entrance and the future route of the Metropolitan Branch Trail, will allow for a wide range of convenient bicycle transportation options:

- Park your bike in a safe, secure room and walk to work.
- Ride the train to Union Station, pick up your bike, and ride to work.
- Ride your bike to the station, park, and take the train to work.
- Rent a bike for site seeing, recreation, or transportation

A reasonable fee, with a reduced annual rate, will be charged for secure bike parking. A limited number of free outdoor racks will remain.



Core services at the center will likely include:

- Secured Bicycle Parking
- Bicycle Rentals
- Bicycle Repair
- Bicycle Accessories

Other services may include:

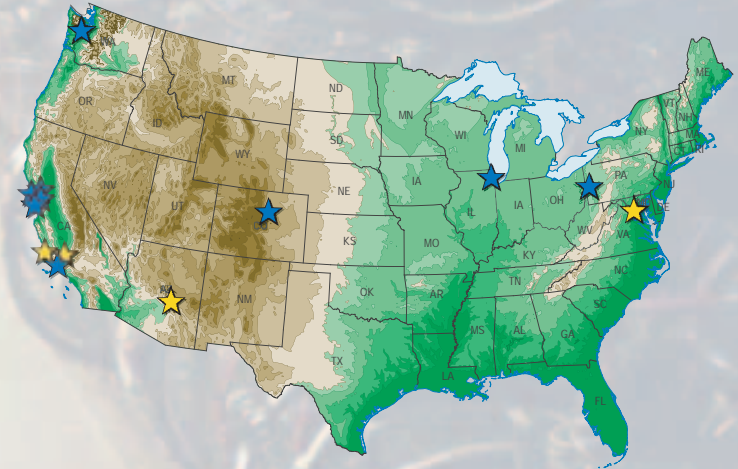
- Changing Rooms
- Segway Rentals
- Car Sharing Reservations
- Transportation Information

There are many similar facilities elsewhere in the country including:

- Seattle Bikestation® (WA)
- Berkeley Bikestation® (CA)
- Embarcadero Bikestation® (CA)
- Palo Alto Bikestation® (CA)
- Long Beach Bikestation® (CA)
- Pittsburg Bike n' Blade (PA)
- Cherry Creek Bike Rack (CO)
- Millennium Park Bicycle Station (IL)
- Fruitvale Village (CA)

Many others are also on the drawing board including:

- Santa Barbara Bikestation® (CA – 2006)
- Pasadena Bikestation® (CA – 2006)
- Tempe Bikestation® (AZ – 2007)
- **Union Station (DC – 2006)**



Design of the Bike Station is underway and construction is expected to take place in the spring of 2006. DDOT will design and construct the facility with funding from the Federal Highway Administration. A private organization, yet to be determined, will operate the Bike Station. We encourage your participation in the design process. Send comments or questions to project manager Jim Sebastian at (202) 671-2331 or jim.sebastian@dc.gov or visit www.ddot.dc.gov/bikeprogram for more information.



Bike Parking Facility - Tokyo, Japan



Bike Parking Facility - Maihara, Japan



Interior - Maihara, Japan

KGP Design Studio
Parsons Transportation Group
Date: 07/14/05



Interior Bike Parking Facility - Tokyo, Japan



Bike Parking Facility - Amsterdam



Bike Parking Facility - Amsterdam



Millennium Park - Chicago



Millennium Park - Interior



Millennium Park - Dressing Area

Bicycle Parking Facilities

Proposed Bicycle Transit Center
Union Station, Washington DC



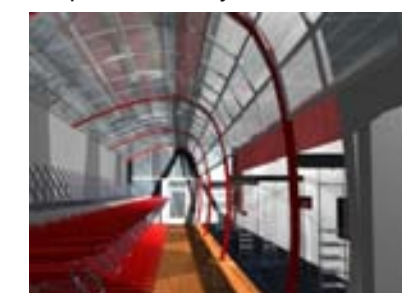
Seattle Storefront Facility



Seattle Storefront Facility - Interior



Proposed Facility - Seattle



Proposed Facility - Seattle



Louvre - France



Underground Entry - Canary Wharf, London



Metro Entry - Washington, DC



Pentagon Transit Facility - Washington, DC



Post Office - Washington, DC



Underground Entry - London



Dept. of Comm. - Washington, DC



Natl. Gallery - Washington, DC



Tent Structure - National Mall, Washington, DC

Design Precedents



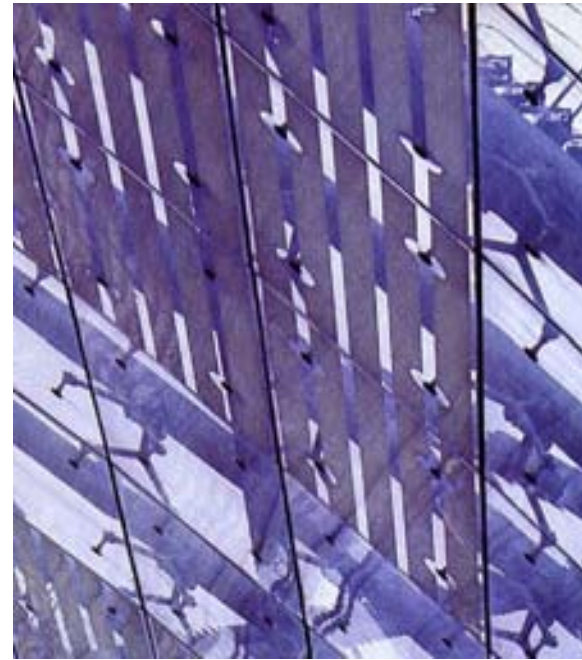
Efficiency of Structure



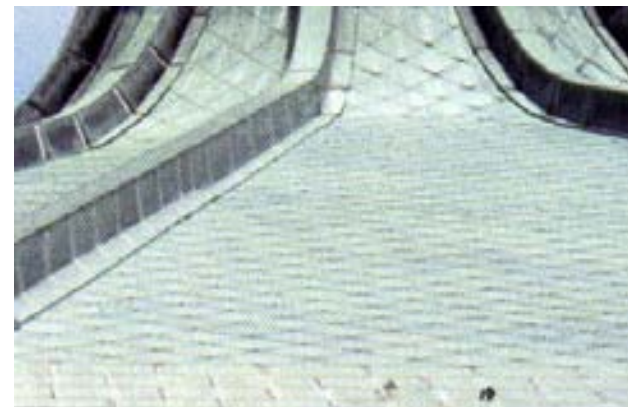
Efficiency of Structure



Form and Characteristics



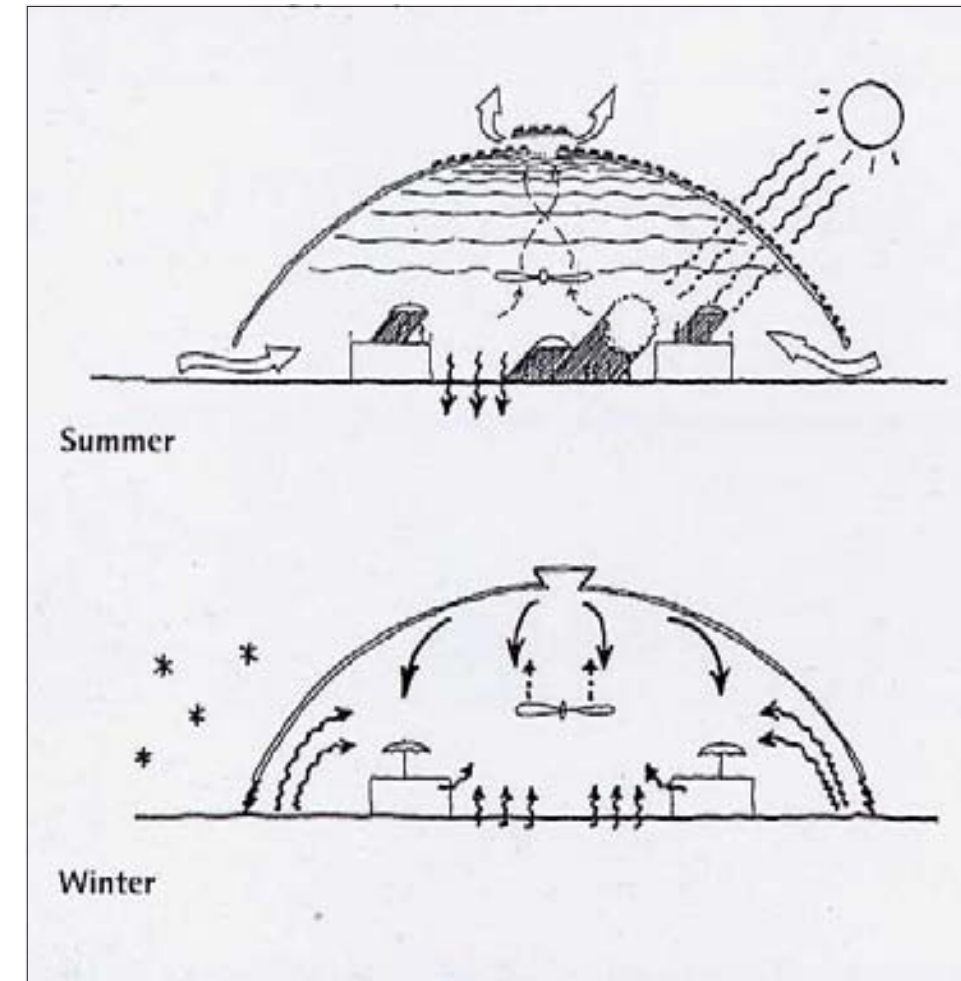
Louvers to control Heat Gain



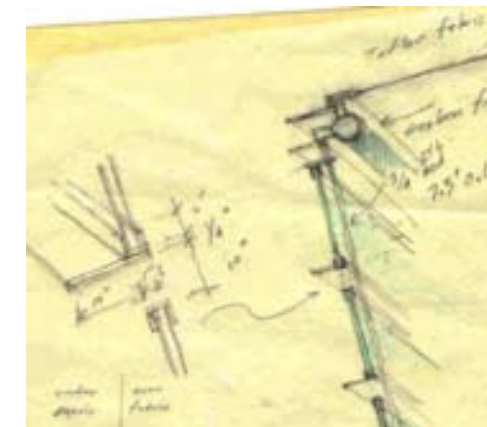
Materials echo their Context



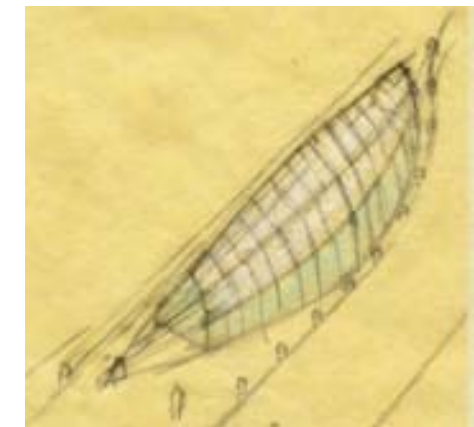
Light and Efficient Structure



Passive Systems respond to Seasonal Changes



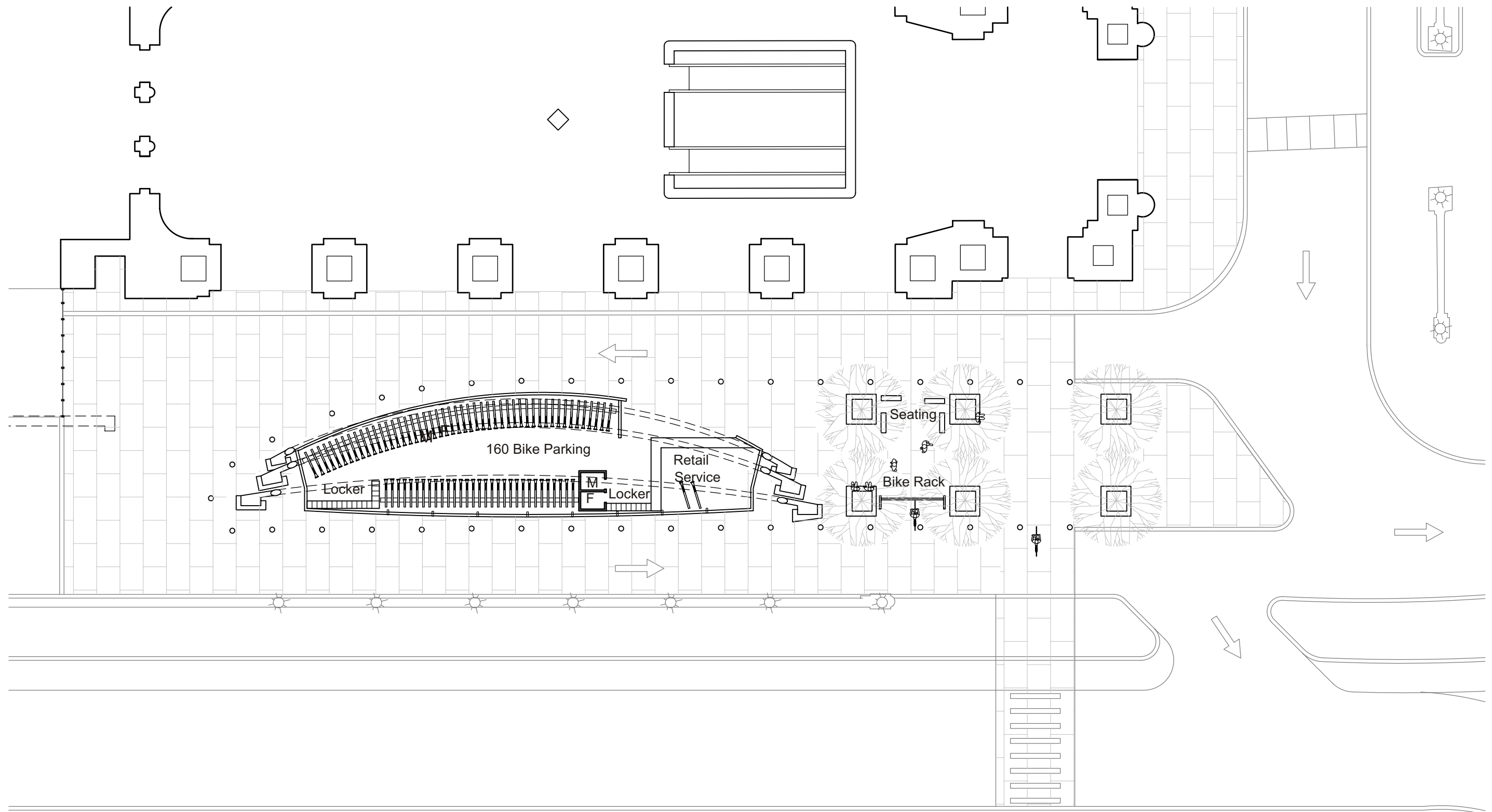
Suspended Glazing-Louver



Minimal Tapered Profile

Design References and Issues

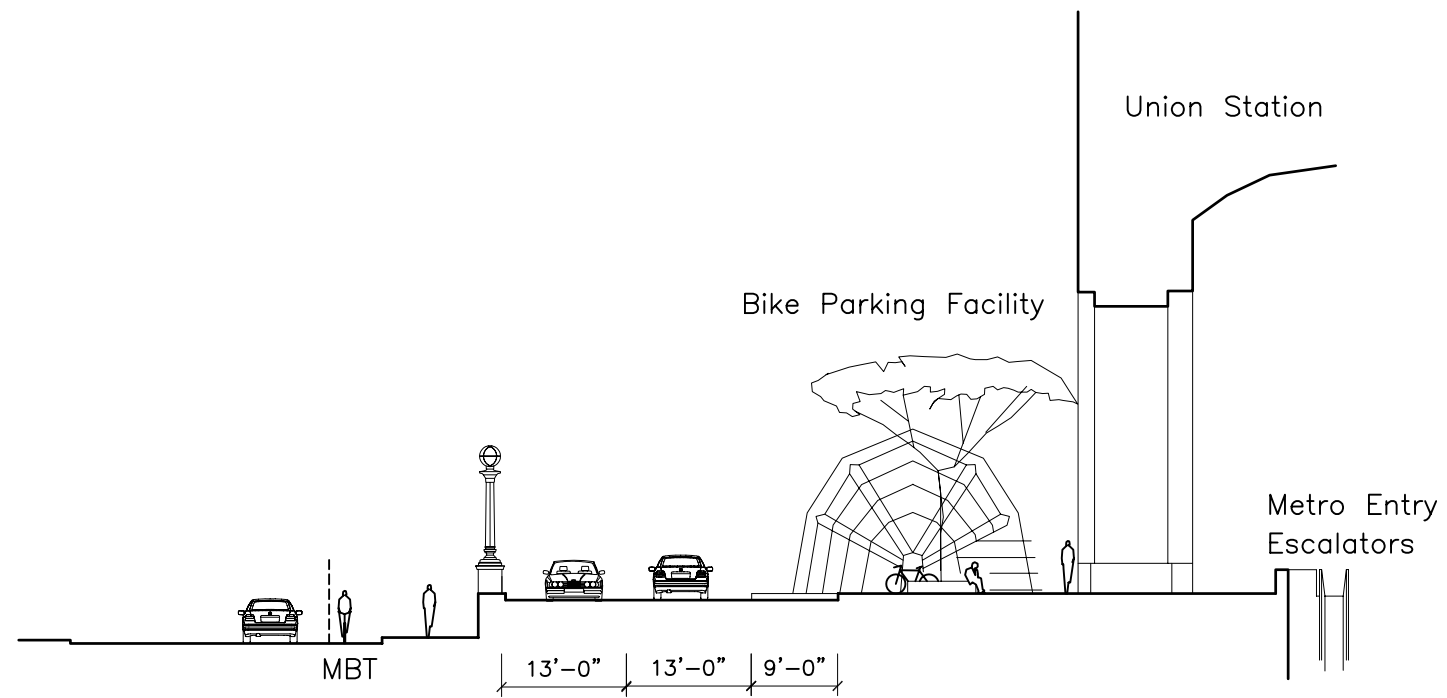
Proposed Bicycle Transit Center
Union Station, Washington DC



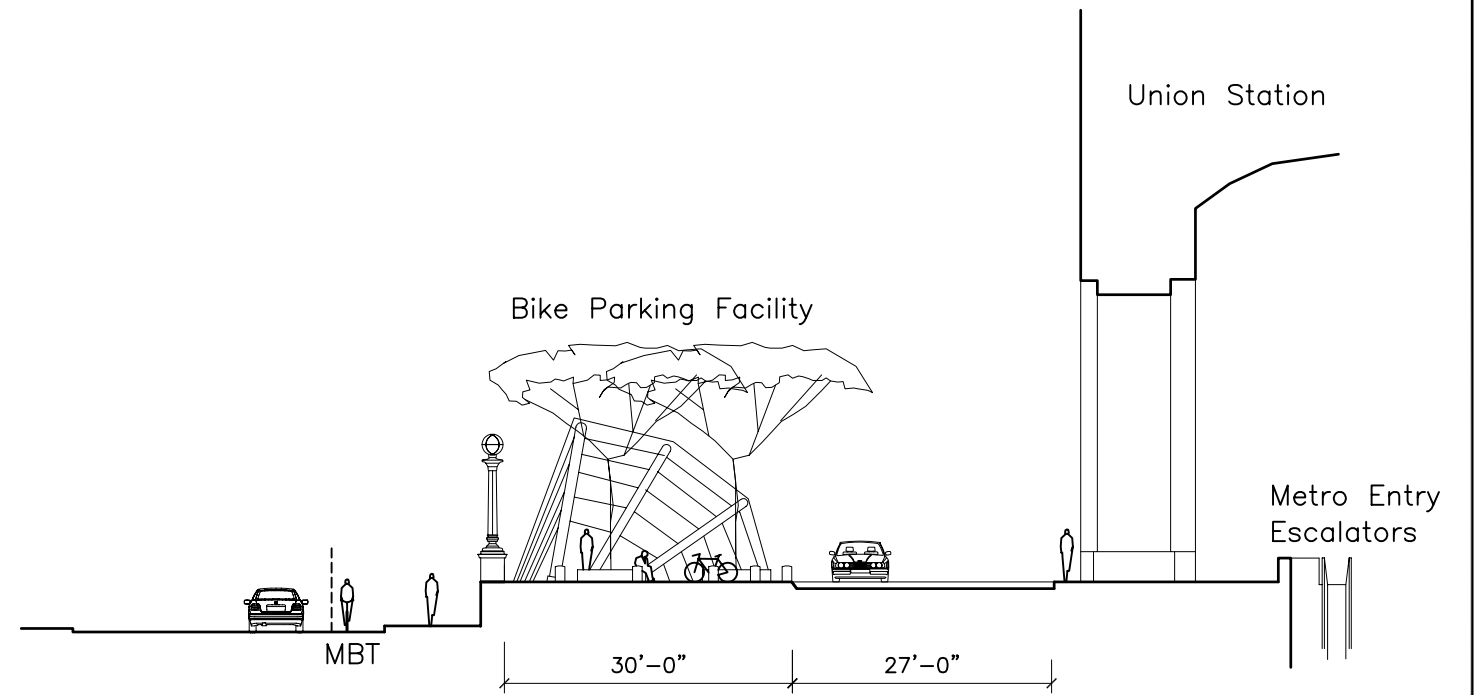
Preliminary – Site Plan

Scale 1" = 20'-0"

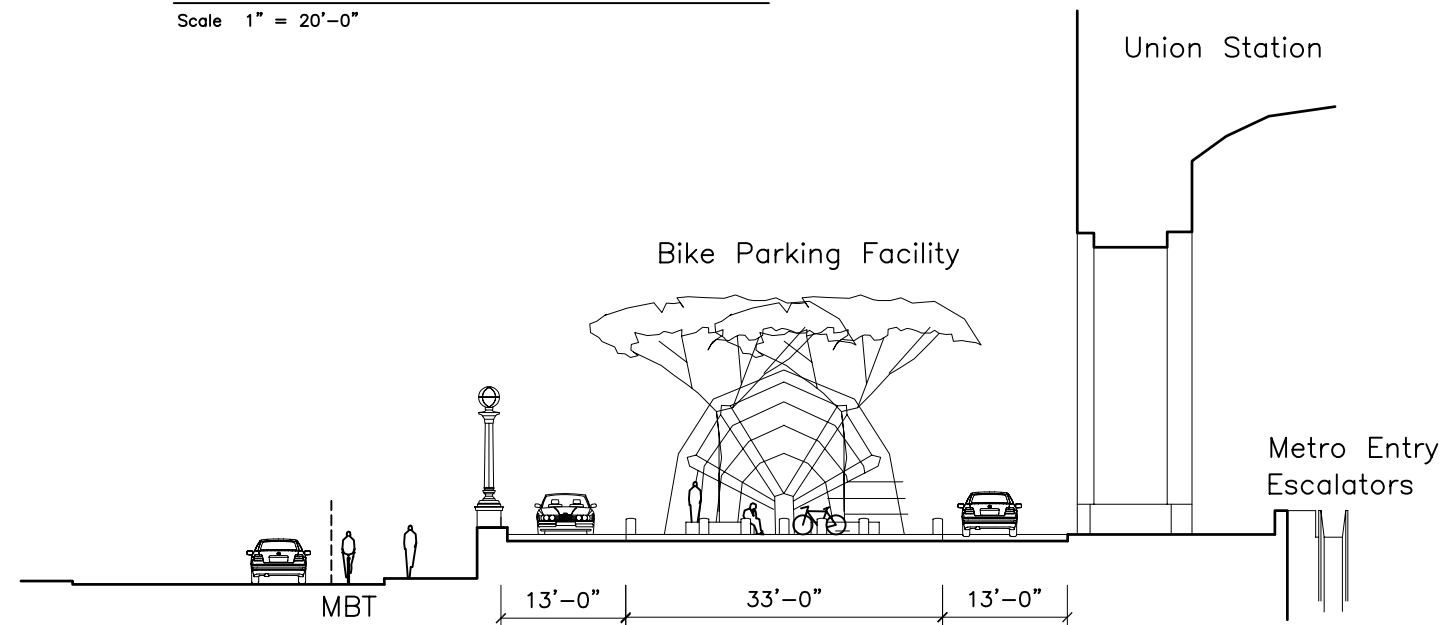




Alternative 1 – Site Section
Scale 1" = 20'-0"

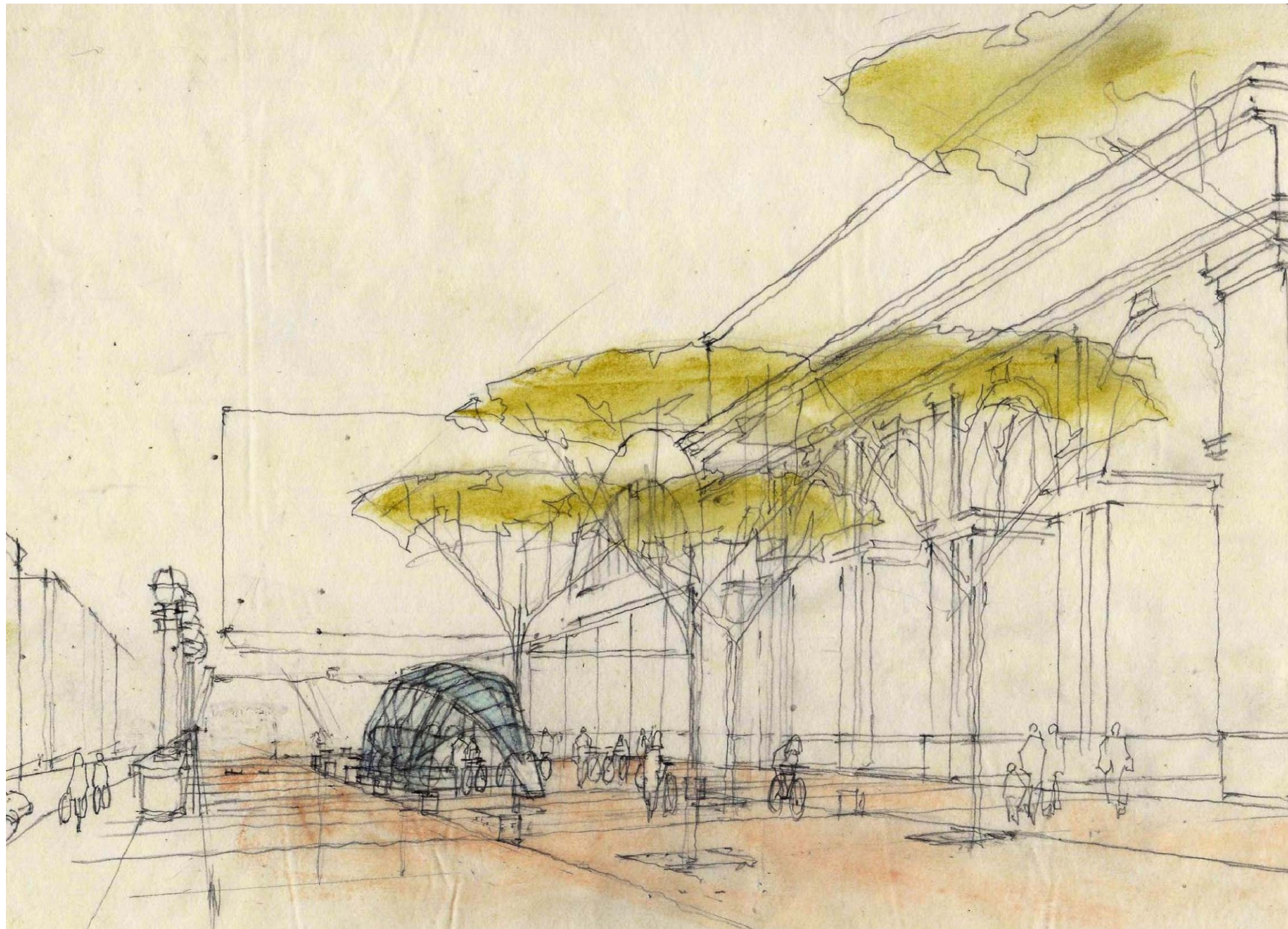


Alternative 3 – Site Section
Scale 1" = 20'-0"



Alternative 2 – Site Section
Scale 1" = 20'-0"





Alternative 2 Perspective